

Title (en)

LEAD-FREE PROJECTILES MADE BY LIQUID METAL INFILTRATION

Title (de)

BLEIFREIES GESCHOSS HERGESTELLT MITTELS EINES FLÜSSIGMETALLINFILTRATIONSVERFAHREN

Title (fr)

PROJECTILES SANS PLOMB FABRIQUES PAR INFILTRATION DE METAL LIQUIDE

Publication

EP 1082578 A4 20040825 (EN)

Application

EP 99922731 A 19990426

Priority

- US 9909023 W 19990426
- US 9261198 A 19980605

Abstract (en)

[origin: US5894644A] A process for making lead-free projectiles such as bullets using liquid metal infiltration to make a projectile having a density similar to lead.

IPC 1-7

F42B 1/00; **F42B 12/74**; **F42B 7/04**; **B22F 3/26**

IPC 8 full level

B22F 3/26 (2006.01); **F42B 7/04** (2006.01); **F42B 12/74** (2006.01)

CPC (source: EP US)

B22F 3/26 (2013.01 - EP US); **F42B 7/046** (2013.01 - EP US); **F42B 12/74** (2013.01 - EP US)

Citation (search report)

- [XY] WO 9641112 A2 19961219 - LOCKHEED MARTIN ENERGY SYS INC [US]
- [Y] US 5399187 A 19950321 - MRAVIC BRIAN [US], et al
- See references of WO 9963297A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5894644 A 19990420; AT E408800 T1 20081015; AU 3966499 A 19991220; DE 69939588 D1 20081030; EP 1082578 A2 20010314; EP 1082578 A4 20040825; EP 1082578 B1 20080917; WO 9963297 A2 19991209; WO 9963297 A3 20001012

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